

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for performing a medical procedure on an eye having an iris, comprising ~~the steps of~~:
 - (a) obtaining an iris biometric image representative of said iris; and
 - (b) performing said medical procedure on [an] said eye in accordance with said iris biometric image.
2. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising ~~the further steps of~~:
 - (a) obtaining first and second iris biometric images; and
 - (b) comparing said first and second iris biometric images to provide a biometric comparison result.
3. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising ~~the further step of~~ identifying an eye in accordance with said biometric comparison result.
4. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, wherein said eye has at least one feature[s] and said feature[s] are is represented within at least one of said first and second biometric images.

5. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [3] 4, further comprising ~~the further step of~~ identifying an iris in accordance with said at least one feature[s].
6. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising ~~the further step of~~ performing said medical procedure in accordance with said ~~identification~~ identifying.
7. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising ~~the further step of~~ determining a location of said iris in accordance with said at least one feature[s].
8. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ determining an orientation of said iris in accordance with said at least one feature[s].
9. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ determining a translation of said iris in accordance with at least one said feature[s].
10. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ altering a relative location of said iris in accordance with said at least one feature[s].

11. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 4, further comprising ~~the further step of~~ directing a light beam in accordance with said at least one feature[s].
12. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising ~~the further step of~~ optimizing at least one of said first and second iris biometric images to provide an optimized image.
13. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 12, further comprising ~~the further step of~~ providing said optimized image in accordance with an image quality metric.
14. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 13, wherein said eye has a selected feature and said method further comprises ~~comprising the further step of~~ providing said optimized image to emphasize a visualization of said selected feature of said eye.
15. (Currently amended) The method for performing a procedure on an eye having an iris of Claim 12, further comprising performing said comparison of said first and second iris biometric images for identifying a person within a security verification.

Please add the following new claims 16-28.

16. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising performing a surgical procedure.

17. (New) The method for performing a medical procedure on an eye having an iris of Claim 16, further comprising performing an optical biopsy.
18. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, wherein said eye has a feature further comprising measuring the size of said feature within said eye.
19. (New) The method for performing a medical procedure on an eye having an iris of Claim 18, wherein said feature comprises a tumor.
20. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising performing a diagnosis on said eye.
21. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising:
 - (a) applying a first light beam and a superposition light beam to said eye;
 - (b) reflecting said first light beam and said superposition light beam from said eye to provide a reflected first light beam and a reflected superposition light beam; and
 - (c) superimposing said reflected first light beam and said reflected superposition light beam to provide a composite image.
22. (New) The method for performing a medical procedure on an eye having an iris of Claim 21, further comprising performing said medical procedure in accordance with said composite image.

23. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising orienting said eye.
24. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising translating said eye within a coordinate system.
25. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising correcting an aberration.
26. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising determining tumor size information.
27. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising identifying an individual.
28. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, wherein said feature comprises a lesion.